

### Abstract of the Disclosure

A guidewire manufacturing assembly and method of forming an improved distal tip on a guidewire are disclosed. A guidewire may be an elongate shaft, a coil disposed along the length of the shaft, a holding fixture coupled to the shaft, a solder ball disposed to flux, and a heat source disposed proximate the solder ball to partially melt the solder ball and allow formation of an atraumatic distal tip.